UNITED STATES PATENT OFFICE.

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APPLIANCE FOR SUPPLYING RIBBON GOLD TO ROTARY-DISK GILDING-TOOLS.

1,029,308. Specification of Letters Patent. **Patented June 11, 1912.**

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To all whom it may concern:

Be it known that we, JOHN C. MERWIN and JOHN W. DONOVAN, both citizens of the United States, and residing in the city of Holyoke, Hampden county, Massachusetts, have invented certain new and useful Improvements in Appliances for Supplying Ribbon Gold to Rotary-Disk Gilding-Tools; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to an appliance for supplying ribbon gold to rotary disk gilding tools, and consists in the construction and association of elements hereinafter fully described and then particularly pointed out in the claims which conclude this description.

In the accompanying drawing Figures 1 and 2 are side elevations of our improvement looking from opposite sides—Fig. 3 a detail broken sectional edge elevation of the gilding tool—Fig. 4 a detail elevation of the element which supports the gold ribbon and distributes the same to the rotary disk—Fig. 5 a section at the line x, x, of Fig. 2 but showing in plan the frame that supports the gilding material, and Fig. 6 a side elevation of a modified form of our improvement.

Similar numerals of reference denote like parts in the several figures of the drawing.

In appliances of this description it is necessary that the gilding tool should be heated in some suitable manner, but our invention has nothing whatever to do with such heating and we have merely shown an approved form of device in which the heating is effected by electricity, but we have shown no details in this respect nor will we enter into any description of the heating elements employed.

The main object of our improvement is to deliver the gold in ribbon form to the gilding disk and at the same time to wind up the paper used as a backing to the gold ribbon; also, a further object of our improvement is to so support the reel of paper backed ribbon gold and to so wind the paper after the distribution of the gold along the gilding disk, that it is impossible to tangle or disarrange either the paper or the gold, all of which will be readily understood from the following description:—

1 is any suitable handle having at its lower extremity an integral cheek plate 2.

3 is the gilding disk, 4 the electric heater, 5 the cover plate to the heater, 6 a metal plate, 7 a friction ring and 8 a keeper ring, all of which parts are arranged concentrically, and held together by means of screws 9. These screws are passed through registering openings in the ring 8, the plates 6 and 5, and the disk 3, and their extremities are engaged with nuts 10 which are tightened firmly against the outer face of said disk. It will be observed from Fig. 3 that the aforesaid screws do not engage ring 7, that ring encircling an annular boss or hub on plate 6 through which the screw openings extend. In consequence, the ring 7, which is interposed between ring 8 and plate 6, will normally rotate with disk 3, but may be held stationary, in the manner hereinafter described, without preventing said disk from rotating.

The periphery of the gilding disk 3 may have any suitable pattern formed thereon, and is here shown as continuously grooved, so that the gold ribbon applied thereby will be firmly ironed in two parallel lines, the middle portion of the ribbon between said lines being subsequently removed with a brush.

12 is a bolt having a head 13, and upon this bolt are journaled the gilding disk and the parts 5, 6 and 7 directly associated thereto, the end of the bolt extending through the cheek plate 2 and handle 1 and being engaged by a nut 14 which is tightened firmly against the outer face of said handle, so that it will be readily understood that the said rotary parts are supported by the lower extremity of the handle.

15 is an arm extending radially from the friction ring 7 and projecting beyond the edge of the disk 3.

16 is a pin having an integral collar 17, and 18 is an arm carrying at its outer extremity a bearing 19, said pin extending through the other end of said extension 18 and also through the upper portion of the extension 15 and being engaged by a nut 20 tightened firmly against the face of arm 15 so as to confine the arm 18 between said collar and said arm 15, thereby allowing